



Otter I-V

태양전지 참고자료



세미오테듀
SEMI OTTER EDU CO., LTD



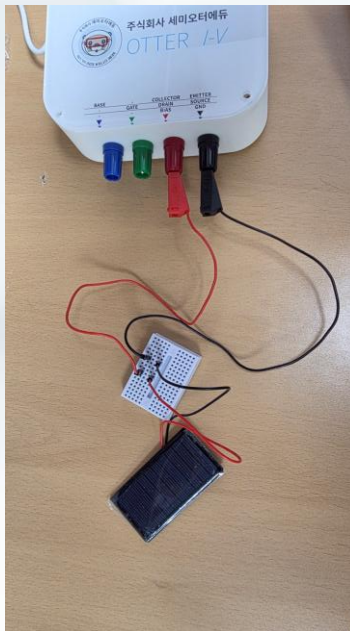
태양전지 테스트 실험

Task: 태양전지모듈의 I-V를 일반 조명, 빛을 가리고, 휴대폰 플래시를 인가하면서 각각 측정



전압V 인가

GND:
전류측정



아두이노 태양광 충전 패널 솔라 패널 5V 60mA / solar pannel

★★★★★ 3개 상품평

67% 추가할인 ①

2,500원

배송비 3,000원

같은 판매자 상품 50,000원 이상 구매 시 무료배송

모래(토) 12/27 도착 예정

판매자: 주식회사 세미오터에듀 < 판매자 상품 보기 >

판매자 평가 100% (59) ①

배송사: CJ대한통운

수량: 1개

적립 최대 25원 쿠팡캐시 적립 · 쿠팡이머니 결제시

해택보기 >

1

장바구니 담기

바로구매 >

• 쿠팡상품번호: 7495592993 · 19609730144

태양광 패널 솔라 패널 5V 60mA

SOLAR PANEL SOLAR PANEL 5V 60MA



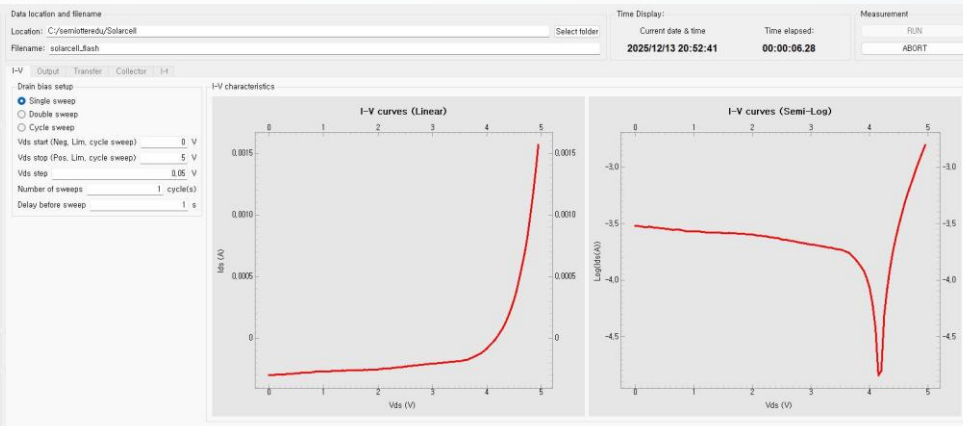
Setup connections:
Device found at COM1, ready to go!

Auto find
☐ Manual connection

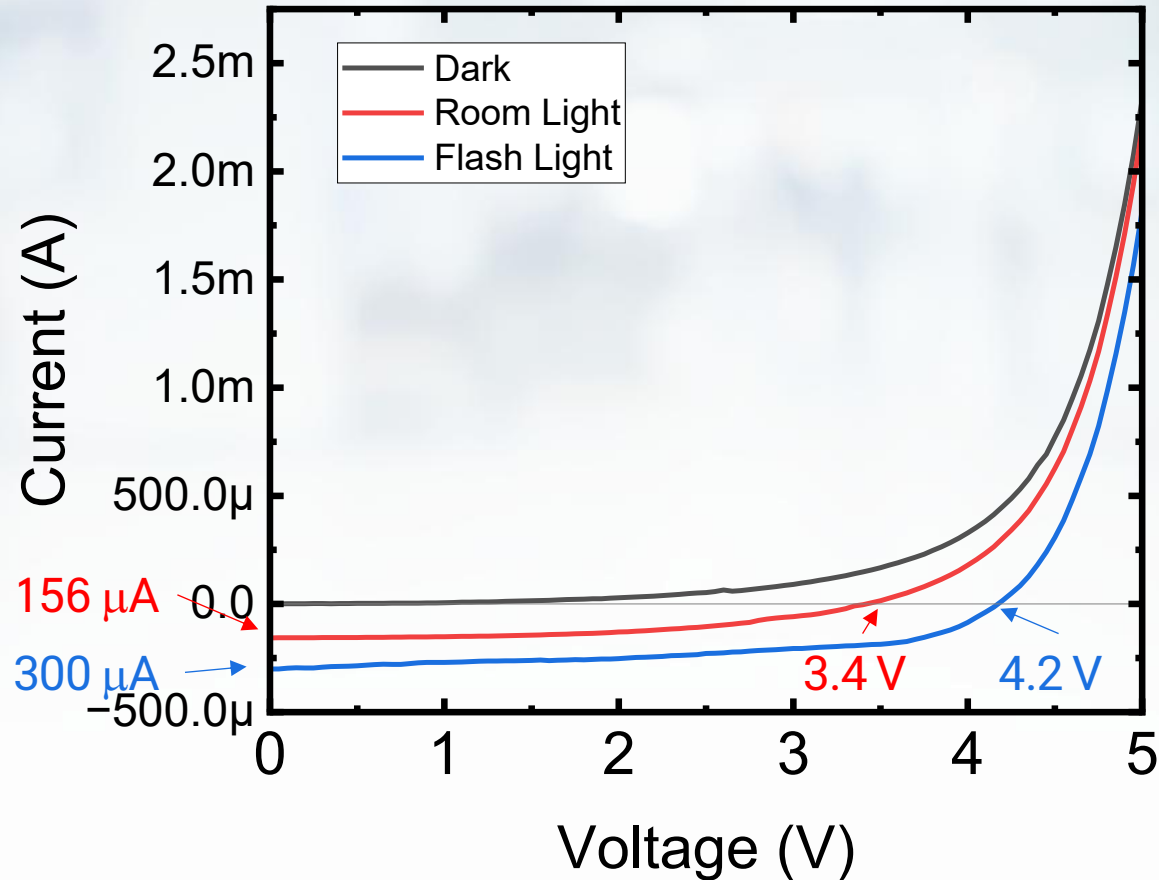
Serial port: COM1
Search ports: Find device

System log
[2025-12-13 20:51:04] Measurement start
[2025-12-13 20:51:10] Measurement done
[2025-12-13 20:51:10] Data saved to: C:/semitotteredu/Solace/solace_data.csv
[2025-12-13 20:51:22] Run Measurement: I-V
[2025-12-13 20:51:22] Measurement start
[2025-12-13 20:51:25] Measurement done
[2025-12-13 20:51:25] Data saved to: C:/semitotteredu/Solace/solace_data.csv
[2025-12-13 20:52:04] Run Measurement: I-V
[2025-12-13 20:52:04] Measurement start
[2025-12-13 20:52:04] Measurement done
[2025-12-13 20:52:04] Data saved to: C:/semitotteredu/Solace/solace_data.csv
[2025-12-13 20:52:19] Run Measurement: I-V
[2025-12-13 20:52:19] Measurement start
[2025-12-13 20:52:19] Measurement done
[2025-12-13 20:52:25] Data saved to: C:/semitotteredu/Solace/solace_data.csv
[2025-12-13 20:52:35] Run Measurement: I-V
[2025-12-13 20:52:35] Measurement start

Live status
Running... I-Source V-Source Voltage Current
Version 1.1
Semi Otter Edu Co., Ltd
Email: support@semitotteredu.com



태양전지 테스트 실험



- 빛을 인가했을 때 약 3.4 V (Room light), 4.2 V (Flash light) 정도 되는 V_{oc} 확인
- I_{sc} 는 약 156 μ A (Room light), 300 μ A (Flash light) 임을 확인할 수 있음